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CLAIM

~~Patent claims~~

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1. A method for transmitting data for a security device, in particular for access authorization systems and/or driving authorization systems of a motor vehicle in which data is transmitted over the air from a transmitter unit to a receiver unit, wherein, after capacitive coupling of the transmitter unit and receiver unit, the data are transmitted from the transmitter to the receiver using a signal which is generated by a capacitive alternating field.
 2. The method as claimed in claim 1, wherein, after reception of the signal, a transmitter transmits an encoded information item to the receiver on a second wireless transmission link, which information item is compared with a predefined encoded information item in the receiver, and when said items correspond, a drive signal for the security device is output.
 3. The method as claimed in claim 2, wherein the second transmission link for the encoded information item is implemented by means of inductive coupling or radio coupling.
 4. A system for activating and/or deactivating a security device, in particular for access authorization systems and/or driving authorization systems of a motor vehicle, in which an encoded information item is transmitted over the air

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5 between a portable transmitter and a receiver, the receiver comparing the received information item with a predefined encoded information item, and outputting a drive signal to the security device when these two information items correspond, wherein the receiver (2) has a capacitive transmitter unit (10, 11) which generates a start signal (16) by means of a capacitive alternating field and transmits it to the receiver unit (13) of the transmitter (1).

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15 5. The system as claimed in claim 4, wherein the capacitive transmitter unit (10, 11) of the receiver (2) is composed of a first capacitor (10) which is operated with an alternating current generator (11), the transmitter (1) having, for the reception of the start signal (16), a second capacitor (13) which, in the case of capacitive coupling between the transmitter (1) and receiver (2), receives the signal generated by the transmitter unit (10, 11) of the receiver (2) and passes it on to an evaluation device (4) of the transmitter (1).

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25 6. The system as claimed in claim 4, wherein, after evaluation of the start signal (16), the evaluation device (4) generates an encoded information item (3) which can be transmitted from a transmitter unit (5) of the transmitter (1) to a receiver unit (6) of the receiver (2) by means of inductive coupling or far-field coupling.

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35 7. The system as claimed in claim 4, wherein the encoded information item (3) is modulated onto a high-frequency carrier frequency which is generated by the alternating current generator (11).

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8. The system as claimed in claim 5, wherein the first capacitor (10) is formed between the outer shell (15) of an access device and an activation device (12) which is arranged on the outer shell of the access device.
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9. The system as claimed in claim 5, wherein the first capacitor (10) is formed between the bodywork of the vehicle and a control element which is arranged in the interior of the motor vehicle.
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10. The system as claimed in claim 8 or 9, wherein, when the activation device (12) or the control element are touched by the user, the signal which is to be detected by the second capacitor (13) is amplified.